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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/992,617	11/16/2001	Patrick Chiu	FX/A0014	5790

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EXAMINER

KASSA, YOSEF

ART UNIT	PAPER NUMBER
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2623

DATE MAILED: 11/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/992,617

Applicant(s)

CHIU ET AL.

Examiner

YOSEF KASSA

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 August 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-7, 11-16 and 19-25 is/are rejected.
- 7) ☒ Claim(s) 8-10, 17, 18 and 26 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 16 November 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f):
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

Response to Arguments

1. Applicant's arguments/amendment, see (page 7-11) filed on Aug. 17, 2005 with respect to the rejection of claims 1-7, 11-16 and 19-25 under Shaffer et al (U.S. Patent 6,396,963), and Chen et al (U.S. Patent 6,307,550) have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made on under Shaffer et al (U.S. Patent 6,396,963) and further in view of Fu et al (U.S. Patent 6,882,793).

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-7, 11-16 and 19-25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shaffer et al (U.S. Patent 6,396,963) and further in view of Fu et al (U.S. Patent 6,882,793).

With regard to claim 1, Shaffer discloses segmenting, i.e., cutting, a video into a plurality of video segments (which broadly reads on cutting version of a photo collage process, and also see col. 4, lines 30-37 for video images);

providing a video collage template having at least one individual video frame (see Fig. 9, note that item 160 does have individual frames and template frame, also see col. 11, lines 28-37); and,

producing a video collage from video collage template and associated video segment (see col. 10, lines 1-13, broadly reads on the process of selecting the photo collage features such as size and format of individual pages).

Shaffer does not explicitly call for associating a video segment from plurality of video segments with individual video frame of video collage template. However, at the same field of endeavor, Fu teaches this feature (see Fig. 5c that is, item 582 is associated with item 584). At the time of the invention was made, it would have been obvious to a person of ordinary skill in the art to incorporate the teaching of Fu video image data process system into Shaffer's system. The suggestion/motivation for doing so would have been is to edit video that has been captured, combine the captured/edited content with other media and preview the results (see col. 4, lines 25-28 of Fu). Therefore, it would have been obvious to combine Fu with Shaffer to obtain the invention as specified in claim 1.

With regard to claim 2, Shaffer discloses selecting a plurality of video segments from said plurality of video segments (see Figs. 8 and 9, note that image cut out form image sequence); and,

associating each of said selected plurality of video segments with a respective individual frame of said video collage (see col. 3, lines 49-58, broadly reads on story preparing process, and also see col. 7, lines 24-31).

With regard to claim 3, Shaffer discloses providing a plurality of representative images, wherein each representative image represents one of plurality of video segments (see col. 11, lines 55-61);

selecting a representative image from plurality of representative images and associating representative with individual video frame of video collage template (see col. 12, lines 1-9).

Claim 4 is similarly analyzed and rejected the same as claim 3.

With regard to claim 5, Shaffer discloses step of segmenting video includes segmenting video into a selected number of segments (see Fig. 9 , item 160).

With regard to claim 6, Shaffer discloses wherein where in said step of segmenting said video includes segmenting said video using a Genetic Segmentation Algorithm ("GSA") (see col. 6, lines 22-30).

With regard to claim 7, Shaffer is silent about the step of compacting said associated video segment. However, at the same field of endeavor, Fu teaches this feature (see col. 2, lines 59-65). At the time of the invention was made, it would have been obvious to a person of ordinary skill in the art to incorporate the teaching of Fu video image data process system into Shaffer's system. The suggestion/motivation for doing so would have been is to edit video that has been captured, combine the captured/edited content with other media and preview the results (see col. 4, lines 25-28 of Fu). Therefore, it would have been obvious to combine Fu with Shaffer to obtain the invention as specified in claim 1.

Claim 11 is similarly analyzed and rejected the same as claim 1.

With regard to claim 12, Shaffer discloses video segment associated with representative image may be viewed by selecting representative image (see col. 16, lines 39-42).

Claim 13 is similarly analyzed and rejected the same as claim 2.

With regard to claim 14, Shaffer discloses representative image is assigned an importance value based on a size of individual video frame in which said representative image is contained (see col. 10, lines 1-13).

With regard to claim 15, Shaffer discloses wherein a length of video segment associated with representative image is reduced based on importance value (see col. 10, lines 56-65).

With regard to claim 16, Shaffer discloses representative image is associated with a feature vector fixed length video (see col. 3, lines 49-58).

Claim 19 is similarly analyzed and rejected the same as claim 1. As to the additional limitation of "user interface" (see col. 10, lines 42-47).

With regard to claim 20, Shaffer discloses wherein video segment selection device is used for selecting a representative image and inserting selected representative image into said at least one individual video frame (see Fig. 9, the selected image frames are grouped into different image frame).

Claim 21 is similarly analyzed and rejected the same as claim 1. As to the additional limitation of a processor, and a processor readable storage medium in communication with said processor (see Fig. 4, information communication system).

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Claim 22-25 are similarly analyzed and rejected the same as claims 2 , 5-7.

Allowable Subject Matter

3. Claims 8-10, 17, 18 and 26 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Other Prior Art Cited

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US Patent No. (6,111,586), (4,717,971), (5,809,202), (5,521,841) and (6,072,542).

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to YOSEF KASSA whose telephone number is (571) 272-7452. The examiner can normally be reached on Monday-Thursday from 8:00 AM to 6:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, JINGGE WU can be reached on (571) 272-7429. The fax phone numbers for the organization where this application or proceeding is

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assigned is (571) 273-8300 for regular communication and (571) 273-8300 for after Final communications.


Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the customer service office whose telephone number is (571) 272-2600.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

PATENT EXAMINER

Yosef Kassa


10/26/05.


JINGGE WU
PRIMARY EXAMINER